

| | | | |
|-------------------------------|------------------------|---------------------|--|
| Notice of Allowability | Application No. | Applicant(s) | |
| | 09/734,849 | KOYAMA, KAZUYA | |
| | Examiner | Art Unit | |
| | Lawrence Shrader | 2193 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 5/13/2005.
2. ☒ The allowed claim(s) is/are 1, 4-6, 9-13, 37; 17, 20-25, 35, 38; 26, 29, 30, 33, 34, and 36.
3. ☒ The drawings filed on 13 December 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

AL

DETAILED ACTION

1. Claims 1, 4 – 6, 9 – 13, 37; 17, 20 – 25, 35, 38; 26, 29, 30, 33, 34, and 36 are allowed in view of the amendments filed by the Applicant on 5/10/2005.

Allowable Subject Matter

2. Prior art taken either singly and/or in combination, does not teach or disclose a system as recited in independent claim 1, a method as recited in independent claim 17, and a recording medium as recited in independent claim 26 with the following features:

Claim 1:

Notifying distributed debuggers via a communication over a network of an instruction *only when a status change is instructed that has not come via the network*, but has come from a same one of computers that the setting-status manager operates on; and then notifying setting-status managers in controllers on the other computers to change the execution status via communications sent over the network when the status change is instructed due to a detected breakpoint, whereby the said distributed system is debugged using the *same settings/execution status on all computers* in which the distributed system operates.

Art Unit: 2193

Claims 17 and 26:

Notifying distributed debuggers via a communication over a network of an instruction *only when said instruction has not come via the network*, but has come from a same one of computers that the debugger operates on; and then instructing a debugger on another computer to change the execution status via communications sent over the network when the status change is instructed due to a change of the management of the debug object program due to a detected breakpoint, whereby the said distributed system is debugged using the *same settings/execution status on all computers* in which the distributed system operates.

The closest prior art is Davidson et al., U.S. Patent 6,042,614, which discloses a distributed debugging system; however, the system does not maintain the same execution status on all computers in the distributed system, but rather on a host system only.

Thus all remaining claims 4 – 6, 9 – 13, 37; 20 – 25, 35, 38; 29, 30, 33, 34, and 36 are also allowed. Claims 2, 3, 7, 8, 14 – 16, 18, 19, 27, 28, 31, and 32 were previously cancelled at the request of the Applicant.

3. Any comments considered necessary by the Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should be preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Art Unit: 2193

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lawrence Shrader whose telephone number is (571) 272-3734.


The examiner can normally be reached on M-F 08:00-16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lawrence Shrader
Examiner
Art Unit 2193

27 May 2005


KAKALI CHAKI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100